
Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=8; day=24; hr=14; min=38; sec=6; ms=647;]

Validated By CRFValidator v 1.0.3

Application No: 10588417 Version No: 2.0

Input Set:

Output Set:

Started: 2009-08-07 13:20:34.396 **Finished:** 2009-08-07 13:20:41.426

Elapsed: 0 hr(s) 0 min(s) 7 sec(s) 30 ms

Total Warnings: 13

Total Errors: 0

No. of SeqIDs Defined: 32

Actual SeqID Count: 32

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<150> PCT/US05/05398
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Lys Pro Ala Ser Ala Glu Lys Lys Asn Lys Lys Lys Gly Lys Gly
  35 40 45
Pro Gly Lys Tyr Ser Gln Leu Val Ile Asn Ala Ile Gln Thr Leu Gly
  50 55 60
Glu Arg Asn Gly Ser Ser Leu Phe Lys Ile Tyr Asn Glu Ala Lys Lys
65 70 75 80
Val Asn Trp Phe Asp Gln Gln His Gly Arg Val Tyr Leu Arg Tyr Ser
        Ile Arg Ala Leu Leu Gln Asn Asp Thr Leu Val Gln Val Lys Gly Leu
      100 105 110
Gly Ala Asn Gly Ser Phe Lys Leu Asn Lys Lys Lys Phe Ile Pro Arg
           120
                        125
     115
Thr Lys Lys Ser Ser Val Lys Pro Arg Lys Thr Ala Lys Pro Thr Lys
  130 135 140
Lys Pro Ala Lys Lys Ala Ala Lys Lys Lys Arg Val Ser Gly Val
145 150 155 160
Lys Lys Ala Thr Pro Pro Glu Lys Thr Ser Lys Pro Lys Lys Ala
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		_	ys Lys Gl	_	agt aaa gca Ser Lys Ala 30	_	152
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			_		acg ctg gga		248
3 33	-		-	r Asn Glu	gcg aag aaa Ala Lys Lys 80		296
				_	cgc tac tcc Arg Tyr Ser 95		344
	ı Leu Gln	Asn Asp T			aag ggt cto Lys Gly Let		392
-		-		-	atc ccc aga		440
	=				ccg acc aaa	_	488
-	-			s Arg Val	agc ggc gtc Ser Gly Val	Lys	536
2 2 2					aag aaa gco Lys Lys Ala 175		584
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aaa cag aca Lys Gln Thi	_	_		_	tt atattetç	gca	682
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Lys Pro Ala Ser Ala Glu Lys Lys Asn Lys Lys Lys Gly Lys Gly 35 40 45

Pro Gly Lys Tyr Ser Gln Leu Val Ile Asn Ala Ile Gln Thr Leu Gly 50 55 60

Glu Arg Asn Gly Ser Ser Leu Phe Lys Ile Tyr Asn Glu Ala Lys Lys 65 70 75 80

Val Asn Trp Phe Asp Gln Gln His Gly Arg Val Tyr Leu Arg Tyr Ser 85 90 95

Ile Arg Ala Leu Leu Gl
n Asn Asp Thr Leu Val Gl
n Val Lys Gly Leu 100 \$105\$ 110

Gly Ala Asn Gly Ser Phe Lys Leu Asn Lys Lys Lys Phe Ile Pro Arg 115 120 125

Thr Lys Lys Ser Ser Val Lys Pro Arg Lys Thr Ala Lys Pro Thr Lys 130 135 140

Lys Lys Ala Thr Pro Pro Pro Glu Lys Thr Ser Lys Pro Lys Lys Ala 165 170 175

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Cys Gly Thr Thr
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Lys Lys Lys Ser Lys Gly Pro Gly Lys Tyr Ser Lys Leu Val Thr
  35 40
Asp Ala Ile Arg Thr Leu Gly Glu Lys Asn Gly Ser Ser Leu Phe Lys
  50 55 60
Ile Tyr Asn Glu Ala Lys Lys Val Ser Trp Phe Asp Gln Lys Asn Gly
     70 75 80
65
Arg Met Tyr Leu Arg Ala Ser Ile Arg Ala Leu Val Leu Asn Asp Thr
        Leu Val Gln Val Lys Gly Phe Gly Ala Asn Gly Ser Phe Lys Leu Asn
   100 105 110
Lys Lys Leu Glu Lys Lys Pro Lys Lys Ala Ala Ser Lys Lys Ala
  115 120 125
Thr Lys Lys Thr Glu Lys Pro Thr Ser Lys Lys Ala Val Thr Lys Lys
  130 135 140
Val Ser Ala Lys Lys Ser Ala Lys Lys Ser Pro Val Lys Lys Thr
      150 155 160
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Pro Lys Lys Thr Ser Val Lys Lys Ala Thr Ala Lys Pro Lys Lys Thr
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Ala Ser Lys Lys Pro Lys Ala Ala Lys Lys Lys Thr Lys Ser Lys 180 185 190

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Arg Asn Lys Gly Gly Ala Ala Ser Ser Gly Asn Lys Lys Lys
   35 40 45
Lys Lys Lys Asn Gln Pro Gly Arg Tyr Ser Gln Leu Val Val Asp Thr
  50 55 60
Ile Arg Lys Leu Gly Glu Arg Asn Gly Ser Ser Leu Ala Lys Ile Tyr
65 70 75 80
Ser Glu Ala Lys Lys Val Ser Trp Phe Asp Gln Gln Asn Gly Arg Thr
         90 95
Tyr Leu Lys Tyr Ser Ile Lys Ala Leu Val Gln Asn Asp Thr Leu Leu
   100 105 110
Gln Val Lys Gly Val Gly Ala Asn Gly Ser Phe Arg Leu Asn Lys Lys
                 120
    115
                               125
Lys Leu Glu Gly Leu Pro Tyr Asp Lys Lys Pro Pro Pro Ala Lys Pro
  130 135 140
Ser Ser Ser Ser Ser Ser Asn Lys Lys Gln Gln Gln Gly Pro Ser Ser
145 150 155 160
Ser Pro Ser Lys Ser His Lys Lys Ala Lys Pro Lys Ala Lys Ala Glu
      165 170 175
Lys Glu Lys Pro Lys Thr Ser Ser Ala Lys Ala Lys Ser Pro Lys Lys
     180 185 190
Ser Ala Ala Lys Gly Lys Lys Met Lys Lys Gly Ala Lys Pro Ser Val
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200

205

195

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<212> PRT

<213> Mus musculus

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Pro Lys Arg Arg Lys Asn Arg Lys Lys Asn Gln Pro Gly Lys Tyr Ser 35 40 45

Gln Leu Val Val Glu Thr Ile Arg Lys Leu Gly Glu Arg Gly Gly Ser 50 55 60

Ser Leu Ala Arg Ile Tyr Ala Glu Ala Arg Lys Val Ala Trp Phe Asp 65 70 75 80

Gln Gln Asn Gly Arg Thr Tyr Leu Lys Tyr Ser Ile Arg Ala Leu Val 85 90 95

Gln Asn Asp Thr Leu Leu Gln Val Lys Gly Thr Gly Ala Asn Gly Ser 100 105 110

Phe Lys Leu Asn Arg Lys Lys Leu Glu Gly Gly Ala Glu Arg Arg Gly
115 120 125

Ala Ser Ala Ala Ser Ser Pro Ala Pro Lys Ala Arg Thr Ala Ala Ala 130 $$135\$

Lys Lys Ala Ala Ala Ala Ser Ala Lys Lys Val Lys Lys Ala Ala

165 170 175

Lys Pro Ser Val Pro Lys Val Pro Lys Gly Arg Lys
180 185

<210> 16

<211> 213

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<213> Homo sapiens

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1 5 10 15

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Ser Lys Lys Arg Lys Asn Ser Lys Lys Lys Asn Gln Pro Gly Lys Tyr 35 40 45

Ser Gln Leu Val Val Glu Thr Ile Arg Arg Leu Gly Glu Arg Asn Gly 50 55 60

Ser Ser Leu Ala Lys Ile Tyr Thr Glu Ala Lys Lys Val Pro Trp Phe 65 70 75 80

Asp Gln Gln Asn Gly Arg Thr Tyr Leu Lys Tyr Ser Ile Lys Ala Leu $85 \hspace{1.5cm} 90 \hspace{1.5cm} 95$

Val Gln Asn Asp Thr Leu Leu Gln Val Lys Gly Thr Gly Ala Asn Gly 100 105 110

Ser Phe Lys Leu Asn Arg Lys Lys Leu Glu Gly Gly Glu Arg Arg 115 120 125

Gly Ala Pro Ala Ala Ala Thr Ala Pro Ala Pro Thr Ala His Lys Ala